

## MBA Agribusiness Management I Semester/ I Year

**Name of Course/subject- Principles of management and organizational behaviour**  
**Course Code: BM 549**

### Course Objective

- To acquaint the learner with meaning and concepts of management
- To understand the organizational behavior
- To understand the concepts, processes, significance and role of management and organizational behavior

### Course Outcome:

*After completion of the course, a student will be able to*

COURSE OUTCOME (CO)	DESCRIPTION
CO1	Know the meaning and concepts of management
CO2	understand the organizational behavior
CO3	understand the concepts, processes, significance and role of management and organizational behavior
CO4	Understand organizational culture or climate concept
CO5	Understand the organizational changes types resistance to change and role of change agents

### CO-PO MAPPING:

	CO	PO1 Basic knowledge about Management and Agribusiness	PO2 Problem solving:	PO3 Identification and Designing of research problems:	PO4 Managerial Skills	PO5 Usage of Agribusiness principles and society	PO6 Environment and sustainability:	PO7 Ethics:	PO8 Individual and team work:	PO9 Communication:	PO10 Life-long learning:
CO1	Know the meaning and concepts of management	3	3	2	1	1	3	3	3		3
CO2	understand the organizational behavior	3	3	3	2	1	3	3	3		3
CO3	understand the concepts, processes, significance and role of management and organizational behavior	3	2	1	1	2	2	3	3	2	1
CO4	Understand organizational culture or climate concept	3	2	2	2	3	3	3	3		2
CO5	Understand the organizational changes types resistance to change and role of change agents	3	2	3	3	2	3	3	2	2	3

**Name of Course/subject-** Agribusiness Environment and Policy

**Course Code:** AG 501

**Course Objective**

1. To expose students to the environment in which the agri-business is conducted.
2. To make students aware of micro and macro environmental forces and their impact on agri-business.
3. To introduce world and Indian Agriculture and Agricultural Heritage and agribusiness policies
4. Awareness about different types of supply chains
5. To study economic reforms in Indian economic system.

**Course Outcome:**

*After completion of the course, a student will be able to*

COURSE OUTCOME (CO)	DESCRIPTION
CO1	Students are well aware of the environment in which the agri-business is conducted
CO2	They may easily differentiate of micro and macro environmental forces and their impact on agri-business.
CO3	Students are bestowed with world and Indian Agriculture and Agricultural Heritage and agribusiness policies
CO4	Students easily recognize different types of supply chains and their functioning.
CO5	Student can understand different phases of economic reforms in Indian economic system.

**CO-PO MAPPING:**

CO	DESCRIPTION	PO									
		PO1 Basic knowledge about Management and Agribusiness	PO2 Problem solving:	PO3 Identification and Designing of research problems:	PO4 Managerial Skills	PO5 Usage of Agribusiness principles and society	PO6 Environment and sustainability:	PO7 Ethics:	PO8 Individual and team work:	PO9 Communication:	PO10 Life-long learning:
CO1	Students are well aware of the environment in which the agri-business is conducted	3	3	2	1	1	3	3	3		3
CO2	They may easily differentiate of micro and macro environmental forces and their impact on agri-business.	3	3	3	2	1	3	3	3		3
CO3	Students are bestowed with world and Indian Agriculture and Agricultural Heritage and agribusiness policies	3	2	1	1	2	2	3	3	2	1
CO4	Students easily recognize different types of supply chains and their functioning.	3	2	2	2	3	3	3	3		2
CO5	Student can understand different phases of economic reforms in Indian economic system.	3	2	3	3	2	3	3	2	2	3

**Name of Course/subject- Managerial Economics**

**Course Code: BM 541**

**Course Objective**

- To familiarize the students with the fundamental economic concepts
- To understand the principles in the context of managerial decision making

**Course Outcome:**

*After completion of the course, a student will be able to*

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Understand the scope of managerial economics
<b>CO2</b>	Understand the demand analysis, meaning types and determinants of demand
<b>CO3</b>	understand the production, cost supply analysis
<b>CO4</b>	Learn pricing determinants of price -pricing under different market structures
<b>CO5</b>	Understand the pricing of joint products

**CO-PO MAPPING:**

	<b>CO</b>	<b>PO1 Basic knowledge about Management and Agribusiness</b>	<b>PO2 Problem solving:</b>	<b>PO3 Identification and Designing of research</b>	<b>PO4 Managerial Skills</b>	<b>PO5 Usage of Agribusiness principles and society</b>	<b>PO6 Environment and sustainability:</b>	<b>PO7 Ethics:</b>	<b>PO8 Individual and team work:</b>	<b>PO9 Communication:</b>	<b>PO10 Life-long learning:</b>
<b>CO1</b>	Understand the scope of managerial economics	3	3	2	1	1	3	3	3		3
<b>CO2</b>	Understand the demand analysis, meaning types and determinants of demand	3	3	3	2	1	3	3	3		3
<b>CO3</b>	understand the production, cost supply analysis	3	2	1	1	2	2	3	3	2	1
<b>CO4</b>	Learn pricing determinants of price -pricing under different market structures	3	2	2	2	3	3	3	3		2
<b>CO5</b>	Understand the pricing of joint products	3	2	3	3	2	3	3	2	2	3

**Course Name - Managerial Accounting and Control**

**Course Code - BM542**

**Course Objective -**

1. To expose the learner to the concept and methods of financial and management accounting.
2. To focus on understanding techniques used in Accounting.
3. To know about the budgetary Control and different Cost.
4. To apply the uses and applications of financial and management accounting.
5. To learn the analysis of financial Statements.

**Course Outcomes -**

**CO1** - Expose the students to the practices adopted in financial accounting.

**CO2** - Enable the students perform various analysis in preparation of accounting statements.

**CO3** - Learn the concepts of Financial Statements, Cost Accounting and Budgetary Control.

**CO4** - Provides knowledge about Standard Costing Methods.

**CO5** - Understand the Management and Financial Accounting.

<b>CO's</b>	<b>PO1</b> - Basic knowledge about Management and Agribusiness Management	<b>PO2</b> - Problem Solving	<b>PO3</b> - Identification and Decision-making	<b>PO4</b> - Managerial Ethics	<b>PO5</b> - Usage of Agribusiness principles and society	<b>PO6</b> - Environment and sustainability:	<b>PO7</b> - Ethics:	<b>PO8</b> - Individual and team work	<b>PO9</b> - Communication	<b>PO10</b> - Life-long Learning
<b>CO1</b> - Expose the students to the practices adopted in financial accounting.	3	1	2	2	2	2	1	1	1	1
<b>CO2</b> - Enable the students perform various analysis in preparation of accounting statements.	1	2	3	2	2	1	2	1	1	3
<b>CO3</b> - Learn the concepts of Financial Statements, Cost Accounting and Budgetary Control	2	1	2	3	3	2	3	2	2	1
<b>CO4</b> - Provides knowledge about Standard Costing Methods	3	2	1	2	2	1	2	3	1	2
<b>CO5</b> - Understand the Management and Financial Accounting.	2	1	2	3	2	3	1	1	3	2
Mapping (1 - Strong, 2 - Medium, 3 - Weak)										

**Name of Course/subject-** Business Laws and Ethics

**Course Code:** BM 543

**Course Objective**

1. To expose students to the Indian Legal System (Legislative, executive and judiciary)
2. To make students aware of different kinds of Act may affect Indian business Environment
3. To introduce Business ethics, Social responsibilities and governance mechanism

**Course Outcome:**

*After completion of the course, a student will be able to*

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Students are well aware of the Indian Legal System (Legislative, executive and judiciary)
<b>CO2</b>	Students have knowledge of different kinds of Act may affect Indian business Environment
<b>CO3</b>	Students know Business ethics, Social responsibilities and governance mechanism and their practical aspects in society and corporate world
<b>CO4</b>	Students may figure out the conditions suitable for particular Act

**CO-PO MAPPING:**

	CO	PO									
		PO1 Basic knowledge about Management and Agribusiness	PO2 Problem solving:	PO3 Identification and Designing of research	PO4 Managerial Skills	PO5 Usage of Agribusiness	PO6 Environment and	PO7 Ethics:	PO8 Individual and team	PO9 Communication:	PO10 Life-long learning:
<b>CO1</b>	Students are well aware of the Indian Legal System (Legislative, executive and judiciary)	3	3	2	1	1	3	3	3	3	3
<b>CO2</b>	Students have knowledge of different kinds of Act may affect Indian business Environment	3	3	3	2	1	3	3	3	3	3
<b>CO3</b>	Students know Business ethics, Social responsibilities and governance mechanism and their practical aspects in society and corporate world	3	2	1	1	2	2	3	3	2	1
<b>CO4</b>	Students may figure out the conditions suitable for particular Act	3	2	2	2	3	3	3	3	3	2

**Name of Course/Subject- Computers for Managers****Course Code: CA-515****Course Objective**

1. Give students an in-depth understanding of why computers are essential components in Agri-business.
2. To give students basic knowledge of Computers, History of Computer it's various components and architecture.
3. To give knowledge about Operating System (windows, Dos, Unix etc) its applications, knowledge and skills.
4. Provide hands-on use of Microsoft Office (On Latest version) applications Word, Excel, Access and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.
5. Basic knowledge of computer networking and internetworking devices.

**Course Outcome:***After completion of the course, a student will be able to*

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Able to describe the usage of computers and why computers are essential components in Agri-business and Society
<b>CO2</b>	Able to describe basic components of modern digital Computers and functions of each component
<b>CO3</b>	Become familiar with various Operating System environment and its various tools.
<b>CO4</b>	Able to solve common business problems using appropriate Information Technology Applications and Systems.
<b>CO5</b>	Able to describe various types of networks network standards and communication software.

**CO-PO MAPPING:**

	CO	PO1 Basic knowledge about Management and Agribusiness Management:	PO2 Problem solving:	PO3 Identification and Designing of research problems:	PO4 Managerial Skills	PO5 Usage of Agribusiness principles and society	PO6 Environment and sustainability:	PO7 Ethics:	PO8 Individual and team work:	PO9 Communication:	PO10 Life-long learning:
<b>CO1</b>	Able to describe the usage of computers and why computers are essential components in Agri-business and Society	3	1	2	2	2	1	3	2	2	2
<b>CO2</b>	Able to describe basic components of modern digital Computers and functions of each component	3	2	3	1	1	2	2	2	2	2
<b>CO3</b>	Become familiar with various Operating System environment and its various tools.	3	3	2	2	1	3	2	3	2	3
<b>CO4</b>	Able to solve common business problems using appropriate Information Technology Applications and Systems.	3	3	3	3	2	3	3	3	3	3
<b>CO5</b>	Able to describe various types of networks network standards and communication software.	3	2	3	3	1	2	2	3	2	2

**Name of Course/subject- Master's Seminar**

**Course Code: AG 502**

**Course Objective**

1. To expose students to the English communication skills.
2. To study about basics of presentation skills.
3. To make the students aware of subject knowledge of their selected topics
4. To make the students aware about writing skills.

**Course Outcome:**

*After completion of the course, a student will be able to*

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Students are aware of technicalities of English communication.
<b>CO2</b>	Students are much confident in presentation in front of audience.
<b>CO3</b>	Students are having subject knowledge of their respective topics
<b>CO4</b>	Students are able to write the report and PPTs

**CO-PO MAPPING:**

	<b>CO</b>	<b>PO1</b> Basic knowledge about Management and Agribusiness Management:	<b>PO2</b> Problem solving:	<b>PO3</b> Identification and Designing of research	<b>PO4</b> Managerial Skills	<b>PO5</b> Usage of Agribusiness	<b>PO6</b> Environment and	<b>PO7</b> Ethics:	<b>PO8</b> Individual and team	<b>PO9</b> Communication:	<b>PO10</b> Life-long learning:
<b>CO1</b>	Students are aware of technicalities of English communication.	3	3	2	1	1	3	3	3	3	3
<b>CO2</b>	Students are much confident in presentation in front of audience.	3	3	3	2	1	3	3	3	2	3
<b>CO3</b>	Students are having subject knowledge of their respective topics	3	2	1	1	2	2	3	3	2	1
<b>CO4</b>	Students are able to write the report and PPTs	3	2	2	2	3	3	3	3	3	2



**PGS 503 (e-course)****Intellectual Property and Its Management in Agriculture****COURSE OBJECTIVES:**

- Knowledge, concept and introduction of Intellectual Property Right regime; TRIPs and various provisions in TRIPs Agreement
- Basics of Legislations for the protection of various types of Intellectual Properties
- Fundamentals of patents, copyrights, geographical indications, designs and layout
- Basic concepts of Protection of plant varieties and farmers' rights and bio-diversity protection, Convention on Biological Diversity; International Treaty on Plant Genetic Resources for Food and Agriculture
- Study of Licensing of technologies, Material transfer agreements, Research collaboration Agreement, License Agreement

**COURSE OUTCOMES (CO): *After completion of the course, a student will be able to***

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Concept of Intellectual Property Right regime; TRIPs and various provisions in TRIPs Agreement
<b>CO2</b>	Knowledge of Legislations for the protection of various types of Intellectual Properties
<b>CO3</b>	Concepts of Protection of plant varieties and farmers' rights and bio-diversity protection, Convention on Biological Diversity; International Treaty on Plant Genetic Resources for Food and Agriculture
<b>CO4</b>	Knowledge of Convention on Biological Diversity; International Treaty on Plant Genetic Resources for Food and Agriculture
<b>CO5</b>	Knowledge of Socio-economic impact, Research collaboration Agreement, License Agreement

**CO-PO MAPPING:**

CO		PO 1. Basic Agronomy knowledge	PO 2. Research	PO 3. Field Experiments	PO 4. Modern implementation	PO 5. Modern concepts of crop	PO 6. Modern farming system	PO 7. Soil-water-plant relationship	PO 8. Environment and	PO 9. Ethics	PO 10. Individual and team	PO 11. Communication	PO 12. Life-long learning
C01	Concept of Intellectual Property Right regime; TRIPs and various provisions in TRIPs Agreement	2	3	3	3	1	1	1	3	3	2	3	3
C02	Knowledge of Legislations for the protection of various types of Intellectual Properties	2	3	2	2	1	1	1	1	2	3	1	3
C03	Concepts of Protection of plant varieties and farmers' rights and bio-diversity protection, Convention on Biological Diversity; International Treaty on Plant Genetic Resources for Food and Agriculture	3	3	3	3	1	1	2	2	3	3	2	3
C04	Knowledge of Convention on Biological Diversity; International Treaty on Plant Genetic Resources for Food and Agriculture	3	3	2	2	1	1	1	1	2	3	3	3
C05	Knowledge of Socio-economic impact, Research collaboration Agreement, License Agreement	3	3	2	3	1	1	1	3	3	3	3	1
3: Strong contribution, 2: average contribution, 1: Low contribution													

**COURSE:** Basic Concepts in Laboratory Techniques

**COURSE CODE:** PGSS04

**COURSE OBJECTIVES:**

- Basic concepts of Safety measures while handling instruments, chemicals, glasswares, etc. in lab
- Use of different instruments, chemicals, glasswares, etc. of lab
- Preparation of different agrochemical doses in field and pot applications
- Preparation of buffers of different strengths and pH values
- Preparation of media and methods of sterilization
- Seed viability testing, testing of pollen viability

**COURSE OUTCOMES (CO):**

*After completion of the course, a student will be able to*

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Students will have basic knowledge of handling and safety measures of instruments, chemicals, glasswares, etc. in lab before and after use
<b>CO2</b>	Students will have knowledge of usage of different type of lab equipments, instruments, glasswares, plasticwares, etc.
<b>CO3</b>	The students will be able to prepare different agrochemical doses in field and pot applications
<b>CO4</b>	Students can have the knowledge to prepare media, acid and bases of different strengths and buffer solutions
<b>CO5</b>	Students can also perform seed and pollen viability testing

**CO-PO MAPPING:**

CO		PO 1. Basic Agriculture knowledge	PO 2. Problem Solving	PO 3. Field Experimentations	PO 4. Modern implementation	PO 5. Modern Horticultural implements	PO 6. Modern Plant Protection	PO 7. Extension Program	PO 8. Environment and sustainability	PO 9. Ethics	PO 10. Individual and team	PO 11. Communication	PO 12. Life-long learning
<b>C01</b>	Students will have basic knowledge of handling and safety measures of instruments, chemicals, glasswares, etc. in lab before and after use	2	2	2	2	1	2	1	2	2	2	1	3
<b>C02</b>	Students will have knowledge of usage of different type of lab equipments, instruments, glasswares, plasticwares, etc.	2	2	2	2	1	2	1	2	1	2	1	3
<b>C03</b>	The students will be able to prepare different agrochemical doses in field and pot applications	3	3	3	2	1	2	1	2	2	2	1	3
<b>C04</b>	Students can have the knowledge to prepare media, acid and bases of different strengths and buffer solutions	3	3	3	2	1	2	1	2	2	2	1	3
<b>C05</b>	Students can also perform seed and pollen viability testing	3	3	3	2	2	2	1	2	2	2	1	3
3: Strong contribution, 2: average contribution, 1: Low contribution													

## MBA Agribusiness Management II Semester

**Name of Course/subject: Communication for Management and Business**

**Course Code: LN 501**

**Course objective**

1. to make student proficient in written as well as oral communication
2. to focus business related communication
3. to learn various types of business writing
4. to know how to handle personal communications
5. To learn how to prepare for meetings

**Course Outcome**

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Student will be proficient in written as well as oral communication
<b>CO2</b>	Student will learn business related communication
<b>CO3</b>	Student will learn various types of business writing
<b>CO4</b>	Students will learn how to handle personal communications
<b>CO5</b>	Students will learn how to prepare for meetings

**CO-PO mapping**

	<b>CO</b>	PO1 Basic knowledge about Management and Agribusiness Management.	PO2 Problem solving:	PO3 Identification and Designing of research problems:	PO4 Managerial Skills	PO5 Usage of Agribusiness principles and society	PO6 Environment and sustainability:	PO7 Ethics:	PO8 Individual and team work:	PO9 Communication:	PO10 Life-long learning:
<b>CO1</b>	Student will be proficient in written as well as oral communication	3	3	3				3	3	2	3
<b>CO2</b>	Student will learn business related communication	3	3	3				1	3	1	3
<b>CO3</b>	Student will learn various types of business writing	3	3	2				1	3	3	1
<b>CO4</b>	Students will learn how to handle personal communications	3	3	3				2	3	2	2
<b>CO5</b>	Students will learn how to prepare for meetings	2	2	1				1	3	2	2

3: Strong contribution, 2: average contribution, 1: Low contribution

**Name of Course/subject: Marketing Management**

**Course Code: BM544**

**Course Objective**

1. To introduce the basic knowledge of market and marketing structures.
2. To focus on Segmentation, Targeting and Positioning.
3. To make students familiar with marketing cost and marketing channels.
4. To figure out different price policies
5. To make students familiar with different marketing environment.

**Course Outcome:**

*After completion of the course, a student will be able to*

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Students have basic knowledge of Market, marketing structures.
<b>CO2</b>	Students can understand the concept of Segmentation, Targeting and Positioning.
<b>CO3</b>	Students are students familiar with marketing cost and marketing channels.
<b>CO4</b>	Students are able to figure out different price policies
<b>CO5</b>	Students have knowledge of different marketing environment.

**CO-PO MAPPING:**

	<b>CO</b>	<b>PO1</b> Basic knowledge about Management and Agribusiness Management.	<b>PO2</b> Problem solving:	<b>PO3</b> Identification and Designing of research problems:	<b>PO4</b> Managerial Skills	<b>PO5</b> Usage of Agribusiness principles and society	<b>PO6</b> Environment and sustainability:	<b>PO7</b> Ethics:	<b>PO8</b> Individual and team work:	<b>PO9</b> Communication:	<b>PO10</b> Life-long learning:
<b>C 01</b>	Students have basic knowledge of Market, marketing structures.	3	3	3				3	3	2	3
<b>CO 2</b>	Students can understand the concept of Segmentation, Targeting and Positioning.	3	3	3				1	3	1	3
<b>C 03</b>	Students are familiar with marketing cost and marketing channels.	3	3	2				1	3	3	1
<b>CO 4</b>	Students are able to figure out different price policies	3	3	3				2	3	2	2
<b>CO 5</b>	Students have knowledge of different marketing environment.	2	2	1				1	3	2	2
3: Strong contribution, 2: average contribution, 1: Low contribution											

**Name of Course/subject: Human Resource management**

**Course Code: BM545**

**Course Objective**

1. To expose the learner to the field of human resource management
2. To learn the human resource practices and their utility for managers

**Course Outcome:**

*After completion of the course, a student will be able to*

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Learn what are the human resources, their planning nature and significance
<b>CO2</b>	Learn what are the recruitment and selection process
<b>CO3</b>	Know the performance appraisal
<b>CO4</b>	Know the industrial relations, role and status of trade unions
<b>CO5</b>	Understand the quality of work life, employee welfare measure

**CO-PO MAPPING:**

	<b>CO</b>	<b>PO1</b> Basic knowledge about Management and Agribusiness Management:	<b>PO2</b> Problem solving:	<b>PO3</b> Identification and Designing of research problems:	<b>PO4</b> Managerial Skills	<b>PO5</b> Usage of Agribusiness principles and society	<b>PO6</b> Environment and sustainability:	<b>PO7</b> Ethics:	<b>PO8</b> Individual and team work:	<b>PO9</b> Communication:	<b>PO10</b> Life-long learning:
<b>CO1</b>	Learn what are the human resources, their planning nature and significance	3	3	3				3	3	2	3
<b>CO2</b>	Learn what are the recruitment and selection process	3	3	3				1	3	1	3
<b>CO3</b>	Know the performance appraisal	3	3	2				1	3	3	1
<b>CO4</b>	Know the industrial relations, role and status of trade unions	3	3	3				2	3	2	2
<b>CO5</b>	Understand the quality of work life, employee welfare measure	2	2	1				1	3	2	2
3: Strong contribution, 2: average contribution, 1: Low contribution											

## Course Name – Financial Management

Course Code – BM546

### Course Objectives

- To make students proficient in concepts and techniques of financial management.
- To focus the understanding of the applications of financial and investment decisions.
- To learn the Financial planning regarding mergers and acquisitions.
- To explore the applications of financial aspects among the students.
- To understand the concept of capital and money markets.

### Course Outcomes

1	CO1	To expose students to various concepts of finance.
2	CO2	To familiarize students about financial management practices.
3	CO3	To enable students to perform financial analysis and take decisions.
4	CO4	To understand the concepts and process of Capital Budgeting and Working Capital Management
5	CO5	To learn about Cost of Capital, Risk and Return and Venture Capital.

### CO-PO MAPPING

	CO	PO1 Basic knowledge about Management and Agribusiness Management:	PO2 Problem solving:	PO3 Identification and Designing of research	PO4 Managerial Skills	PO5 Usage of Agribusiness principles and society	PO6 Environment and sustainability:	PO7 Ethics:	PO8 Individual and team work.	PO9 Communication:	PO10 Life-long learning:
CO1	To expose students to various concepts of finance.	3	3	2	1	1	3	3	3	3	3
CO2	To familiarize students about financial management practices.	3	3	3	2	1	3	2	3	3	3
CO3	To enable students to perform financial analysis and take decisions.	3	2	1	1	2	2	3	3	2	1
CO4	To understand the concepts and process of Capital Budgeting and Working Capital Management	3	2	2	2	3	3	3	3	3	2
CO5	To learn about Cost of Capital, Risk and Return and Venture Capital.	3	1	1	1	1	2	3	3	2	2



**Name of Course/subject- Production and Operations Management**

**Course Code: BM547**

**Course Objective**

1. Introduction to Production and operations management
2. To give awareness about different types of production techniques
3. To be familiar about maintenance management
5. To provide awareness about quality management.

**Course Outcome:**

*After completion of the course, a student will be able to*

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Students are aware of Production and operations management
<b>CO2</b>	able to know about different types of production techniques
<b>CO3</b>	Students are familiar about maintenance management
<b>CO4</b>	Students are aware of quality management.
<b>CO5</b>	Students may use IPM techniques

**CO-PO MAPPING:**

	CO	PO									
		PO1 Basic knowledge about Management and Agribusiness Management:	PO2 Problem solving:	PO3 Identification and Designing of research problems:	PO4 Managerial Skills	PO5 Usage of Agribusiness practices and tools:	PO6 Environment and sustainability:	PO7 Ethics:	PO8 Individual and team work:	PO9 Communication:	PO10 Life-long learning:
<b>CO1</b>	Students are aware of Production and operations management	3	3	2	1	1	3	3	3	3	3
<b>CO2</b>	able to know about different types of production techniques.	3	3	3	2	1	3	2	3	3	3
<b>CO3</b>	Students are familiar about maintenance management	3	2	1	1	2	2	3	3	2	1
<b>CO4</b>	Students are aware of quality management.	3	2	2	2	3	3	3	3	3	2
<b>CO5</b>	Students may use IPM techniques.	3	1	1	1	1	2	3	3	2	2

**Course Name – Management Information System**

**Course Code – BM548**

**Course Objective -**

1. To develop an understanding and Utility of MIS.
2. To impart knowledge of the basic concepts of MIS.
3. To learn the functions and usage of MIS..
4. To explore the applications of MIS in the different areas.
5. To understand the role of IT in the markets.

**Course Outcomes -**

**CO1:** To Understand the leadership role of Management Information Systems in achieving business competitive advantage through informed decision making.

**CO2:** To analyze and synthesize business information and systems to facilitate evaluation of strategic alternatives.

**CO3:** To effectively communicate strategic alternatives to facilitate decision making.

**CO4:** To analyze how information technology impacts a firm.

**CO5:** To interpret how to use information technology to solve business problems.

<b>CO's</b>	<b>PO1 - Basic knowledge about</b>	<b>PO2 - Problem Solving</b>	<b>PO3 - Identification and Designing</b>	<b>PO4 - Managerial skills</b>	<b>PO5 - Usage of Agribusiness</b>	<b>PO6 - Environment and</b>	<b>PO7 - Ethics:</b>	<b>PO8 - Individual and team work</b>	<b>PO9 - Communication</b>	<b>PO10 - Life-long learning</b>
To Understand the leadership role of Management Information Systems in achieving business competitive advantage through informed decision making.	3	1	2	2	3	2	2	3	2	2
To analyze and synthesize business information and systems to facilitate evaluation of strategic alternatives.	2	3	1	1	2	1	1	1	3	3
<b>CO3 -</b> To effectively communicate strategic alternatives to facilitate decision making.	2	2	3	3	2	1	2	2	3	2
<b>CO4 -</b> To analyze how information technology impacts a firm	2	2	2	2	3	1	2	2	2	2
<b>CO5 -</b> To interpret how to use information technology to solve business problems	2	3	3	2	1	3	1	1	3	2
Mapping (1 - Strong, 2 - Medium, 3 - Weak)										

**Name of Course/subject- Operations Research**

**Course Code: MT520**

**Course Objective**

1. To expose students to the basics of Linear Programming
2. To study inventory control Models and Costs Involved in Inventory Management
3. Types of Inventory, Economic Order Quantity (EOQ) Model, Continuous Review (Q) System
4. Study about Waiting Line Models: Waiting Line Problem

**Course Outcome:**

*After completion of the course, a student will be able to*

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	able to know basics of Linear Programming
<b>CO2</b>	able to know Costs Involved in Inventory Management, Types of Inventory
<b>CO3</b>	Students are bestowed with basic knowledge of Economic Order Quantity (EOQ) Model, Continuous Review (Q) System
<b>CO4</b>	Students are aware of Characteristics of a Waiting- Line System, Single Channel Model, Multiple-Channel Model
<b>CO5</b>	Students are well aware of Waiting Line Models: Waiting Line Problem

**CO-PO MAPPING:**

CO	DESCRIPTION	PO									
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO 1	able to know basics of Linear Programming	2	3	2	3	1	3	3	2	3	2
CO2	able to know Costs Involved in Inventory Management, Types of Inventory	2	2	3	2	2	3	2	2	2	2
CO 3	Students are bestowed with basic knowledge of Economic Order Quantity (EOQ) Model, Continuous Review (Q) System	2	2	2	2	2	2	3	3	2	1
CO4	Students are aware of Characteristics of a Waiting- Line System, Single Channel Model, Multiple-Channel Model	2	2	2	2	3	3	3	3	3	2
CO5	Students are well aware of Waiting Line Models: Waiting Line Problem	3	2	3	1	1	2	2	2	2	2

**Name of Course/ Subject: Technical Writing and communication skills****Subject Code: PGS502****Course objective**

1. To give knowledge about the various forms of scientific writings
2. To give knowledge about the various parts of thesis, research communications
3. To give knowledge about writing of abstracts, summaries, citations etc
4. To give knowledge about research communications, illustrations, photograph, drawings
5. To give knowledge about pagination, scientific write ups, editing and proof reading, and writing of review article

**Course Outcome****After completion of course, a student will be able to**

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Learn that what are the various forms of scientific writings
<b>CO2</b>	Learn how to write the various parts of thesis, research communications
<b>CO3</b>	Learn how to do writing of abstracts, summaries and what are citations etc
<b>CO4</b>	Learn research communications, illustrations, photograph, drawings
<b>CO5</b>	Learn pagination, scientific write ups, editing and proof reading, and writing of review article

**CO-PO MAPPING**

	<b>CO</b>	<b>PO1</b> Basic Agricultural knowledge	<b>PO2</b> Problem Solving	<b>PO3</b> Lab/Field Experimentations	<b>PO4</b> Modern implements usage	<b>PO5</b> Modern Horticultural/ Agricultural implements	<b>PO6</b> Modern plant protection implements	<b>PO7</b> Extension Programme	<b>PO8</b> Ethics	<b>PO9</b> Individual and team work	<b>PO10</b> Communication	<b>PO11</b> Lifelong learning
<b>CO1</b>	Learn that what are the various forms of scientific writings	3	3	1	2	0		2		1	1	3
<b>CO2</b>	Learn how to write the various parts of thesis, research communication	3	3	1	2	0	3	2				2
<b>CO3</b>	Learn how to do writing of abstracts, summaries and what are citations etc	3	3	1		0	1	2				3
<b>CO4</b>	Learn research communications, illustrations, photograph, drawings	3	3	2	3		2	2				3
<b>CO5</b>	Learn pagination, scientific write ups, editing and proof reading, and writing of review article	3	3	2	3		3	2	1			3

**Name of Course: Agriculture Research, Research Ethics and Rural Development Programmes – PGS505, II semester**

**Objectives:**

- Appreciate the objective and principle of extension education
- Obtain idea on various development programmes in agriculture and allied area to help farmers.
- To enlighten the students about the organization and functioning of agricultural research systems at national and international levels, research ethics, and rural development programmes and policies of Government.

**Outcomes:**

*After completion of the course, a student will be able to*

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Students capable, efficient and self-reliant in character.
<b>CO2</b>	They gain knowledge to help rural families in better appreciation of SWOT in the village.
<b>CO3</b>	They know about to open new opportunities for developing talents and leadership of rural people.
<b>CO4</b>	To provide knowledge and help for better management of farms and increase incomes.
<b>CO5</b>	To promote better social, natural recreational intellectual and spiritual file among the people.

**CO-PO MAPPING:**

	CO	PO											
		PO1 Basic Agriculture knowledge	PO2 Problem Solving	PO3 Field Experimentations	PO4 Modern implementation	PO5 Modern Horticultural implements	PO6 Modern plant protection implements	PO7 Extension Programme	PO8 Environment and sustainability	PO9 Ethics	PO10 Individual and team work	PO11 Communication	PO12 Lifelong learning
<b>CO1</b>	Students capable, efficient and self-reliant in character.	3	1	2	1	1	3	3	3	2	3	1	3
<b>CO2</b>	They gain knowledge to help rural families in better appreciation of SWOT in the village.	3	3	3	1	1	3	3	3	2	3	3	2
<b>CO3</b>	They know about to open new opportunities for developing talents and leadership of rural people.	3	2	1	1	1	2	3	3	2	1	2	3

CO4	To provide knowledge and help for better management of farms and increase incomes.	3	2	2	2	1	3	3	3	2	2	3	3
CO5	To promote better social, natural recreational intellectual and spiritual file among the people.	3	1	1	1	1	2	3	3	2	2	3	3
3: Strong contribution, 2: average contribution, 1: Low contribution													

**Name of Course/ Subject: Disaster Management**

**Course Code: PGS506 (e-Course)**

**Course objective**

1. To give knowledge prompt assistance to victims
2. To give knowledge about the different techniques and to achieve rapid and effective recovery.
3. To give knowledge about how to reduce, or avoid, the potential losses from hazards,
4. To give knowledge about assure prompt and appropriate assistance to victims of disaster, and achieve rapid and effective recovery

**Course Outcome**

**After completion of course, a student will be able to**

<b>COURSE OUTCOME (CO)</b>	<b>DESCRIPTION</b>
<b>CO1</b>	Able to know what are the basic criteria for disaster management
<b>CO2</b>	Can use the basic knowledge regarding prompt assistance to victims
<b>CO3</b>	Students are able to know about to reduce, or avoid, the potential losses from hazards
<b>CO4</b>	Study to assure prompt and appropriate assistance to victims of disaster and pollution
<b>CO5</b>	By the end of course students will be able to know the knowledge regarding different methods to control and to avoid disaster.

**CO-PO MAPPING**

	<b>CO</b>	<b>PO1</b> Basic Agricultural	<b>PO2</b> Problem Solving	<b>PO3</b> Lab/Field Experimentations	<b>PO4</b> Modern implements usage	<b>PO5</b> Modern Horticultural/ Agricultural implements	<b>PO6</b> Modern plant protection implements	<b>PO7</b> Extension Programme	<b>PO8</b> Ethics	<b>PO9</b> Individual and team work	<b>PO10</b> Communication	<b>PO11</b> Lifelong learning
<b>CO1</b>	Able to know what are the basic criteria for disaster management	3	3	1	2	0		2		1	1	3
<b>CO2</b>	Can use the basic knowledge regarding prompt assistance to victims	3	3	1	2	0	3	2				2
<b>CO3</b>	Students are able to know about to reduce, or avoid, the potential losses from hazards	3	3	1		0	1	2				3
<b>CO4</b>	Study to assure prompt and appropriate assistance to victims of disaster and pollution	3	3	2	3		2	2				3

CO5	By the end of course students will be able to know the knowledge regarding different methods to control and to avoid disaster.	3	3	2	3		3	2	1				3
<p style="text-align: center;">1: Low contribution, 2: Average contribution, 3: Strong contribution</p>													